



Government and Public Safety
1301 E. Algonquin Road
Schaumburg, IL. 60196

FSB NUMBER: FSB10432
APC: 509
DATE: Jun-10
EXPIRES: 30-Jun-11
BULLETIN TYPE: Informational Only

FIELD SERVICE BULLETIN

SUBJECT: ASTRO Simulcast timing difference between Quantar stations equipped with EPIC V and EPIC II control boards.

MODEL / SYSTEM AFFECTED:

All ASTRO Simulcast sites using Quantar EPIC V stations mixed with Quantar EPIC II stations.

SYMPTOM:

At ASTRO Simulcast sites; EPIC V signal launch is 8.2μs late comparing to EPIC II.

CAUSE:

The EPIC V control board introduces 8.2μs delay in the ASTRO Simulcast path compared to the EPIC II control board, which may lead to sub-optimal audio quality in the overlap areas. To ensure maximum audio quality, transmission from each site must be synchronized and delay differences should be avoided.

RESOLUTION:

If the ASTRO Simulcast Test Pattern alignment was correctly performed before and 8.2μs delay was already added to the EPIC II boards, no action needs to be taken. If this alignment has not yet been completed or a EPIC II/EPIC V board has been added as a replacement then the 8.2μs delay must be added to the Simulcast Launch Time Offset of any station that has an EPIC II board in it.

Note: See **Appendix A** for EPIC Identification chart

SEVERITY RECOMMENDATION:

Medium - Perform at next scheduled maintenance

PARTS REQUIRED (HARDWARE/SOFTWARE):

NA

LABOR ALLOWANCE

This is an informational bulletin. No labor warranty is implied, intended or authorized.

Attachments:

☒ Yes ☐ No

Identification: Appendix A



Government and Public Safety
1301 E. Algonquin Road
Schaumburg, IL. 60196

FSB NUMBER: FSB10432
APC: 509
DATE: Jun-10
EXPIRES: 30-Jun-11

Appendix A - EPIC Identification chart
Quantar Station or Receiver

		<u>Conventional/6809</u>	<u>IntelliRepeater</u>	<u>ASTRO 25 Trunking 6.x/7.x</u>
EPIC I	Board	TTN4094	TRN7900	N/A
	FRU	TLN3397	TLN3398	N/A
EPIC II	Board	(M)CLN6961	(M)CLN6960	N/A
	FRU	CLN1293	CLN1294	N/A
EPIC III	Board	CLN1614	N/A	N/A
	FRU	CLN1621	N/A	N/A
EPIC V	Board	MCLN8426	MCLN8447	N/A
	FRU	CLN8480	CLN8479	N/A
EPIC IV	Board	N/A	N/A	CLN7692
	FRU	N/A	N/A	DLN1229

ASTRO-TAC Receiver

		<u>Conventional/6809</u>	<u>ASTRO 25 Trunking 6.x/7.x</u>
EPIC I	Board	TTN4094	N/A
	FRU	TLN3397	N/A
EPIC II	Board	CLN6873	CLN6873
	FRU	CLN1273	CLN1273
EPIC V	Board	MCLN8426	MCLN8426
	FRU	CLN8480	CLN8480

Other EPIC-based products

		<u>Securenet Quantar</u>	<u>Limited Quantar</u>	<u>PDR 3500</u>	<u>DBS</u>	<u>ATAC 3000 Comparator</u>	<u>ATAC 9600 Comparator</u>
EPIC II	Board	(M)CLN6961	(M)CLN7462	(M)CLN6961	(M)CLN6686	(M)CLN7361	CCN4009
	FRU	N/A	CLN1609	PLN1682	CLN1177	CLN1494	CCN1009
EPIC V	Board	MCLN8426	N/A	MCLN8426	N/A	N/A	N/A
	FRU	TBD	N/A	PLN1682	N/A	N/A	N/A